



REPLACEMENT SHEET

09/940,749
2825

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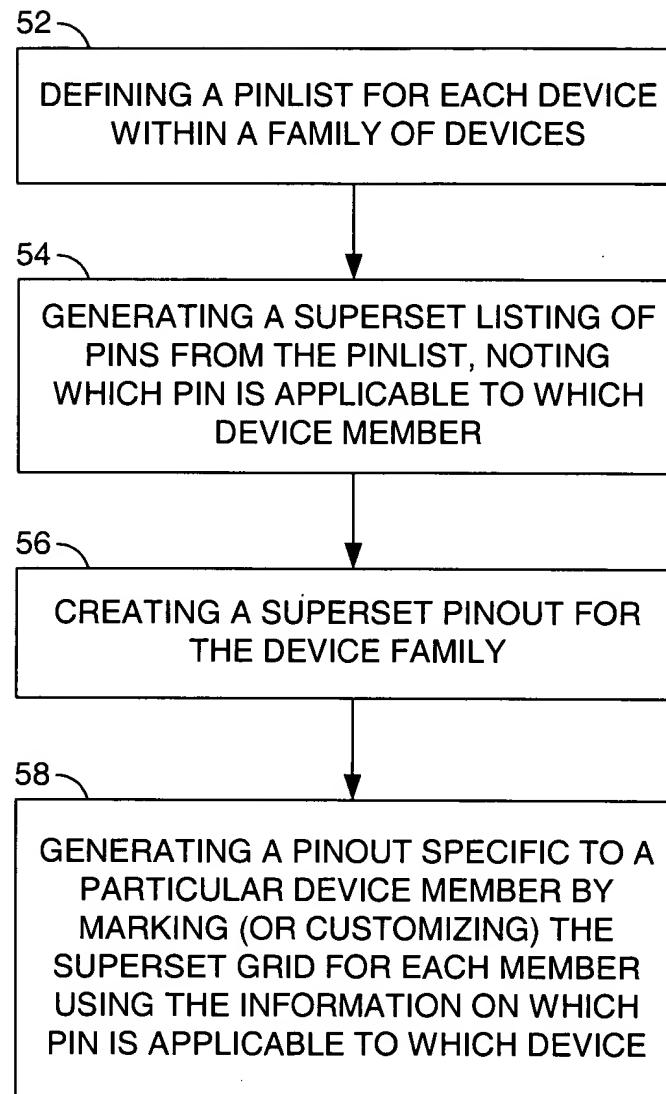


FIG. 1A



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50'

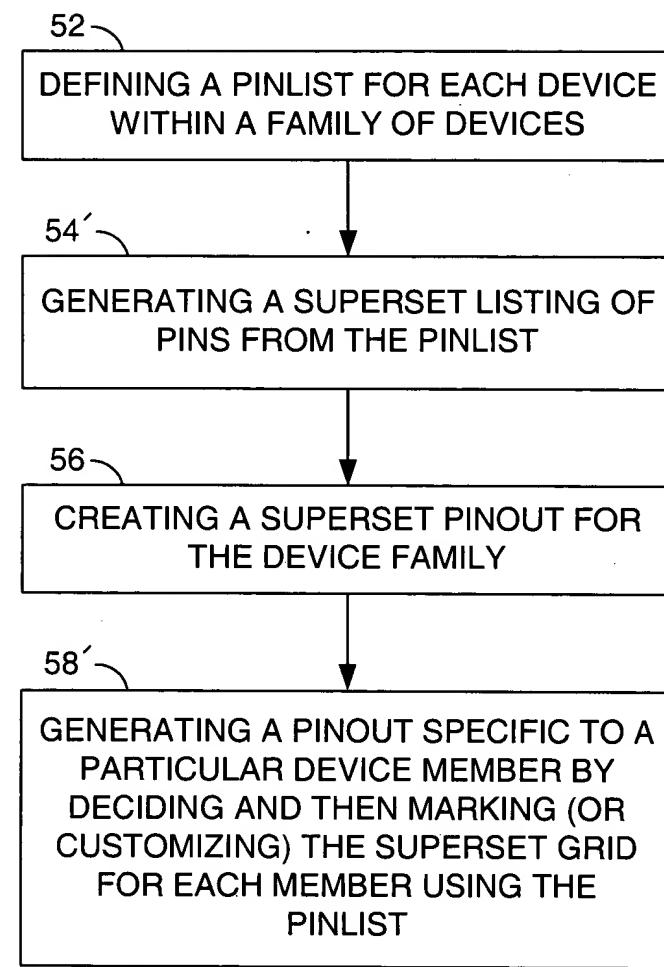


FIG. 1B

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
A	GND	I0R7	I07	I07	I0T07	I0T07	I07	I07	I0R6	I0T06	I06	I0R6	I06	I0T05	I05	I0R5	I0T05	I0T05	I05	I0T05	I0T05	I05	I05	GND	A		
B	I0R7	I07	I07	I0T07	I0T07	I07	I07	I0R6	I0T06	I06	I06	I06	I06	I0T05	I05	I0T05	I05	I0T05	I0T05	I0T05	I0T05	I0T05	I05	I05	I05	B	
C	I0C	I07	I07	I07	I07	VDDQ	VCCN	I07	GCTL3	I07	VDDQ	VDDQ	I0R6	I06	I06	I05	I05	GCTL2	GCTL1	I0T05	I0T05	I0T05	I0T05	I0T05	TDO	TCK	C
D	I0C	I0T0	I00	I07	VDDQ	VDDQ	GND	I0R7	I07	NC	VDDQ	VCC	I0T06	I06	I06	VCPLL	VDDQ	VDDQ	NC	GCLK1	I05	TMS	TDI	D			
E	I0T0	I00	GCTL0	GND	I0T07	GND	I0R6	I06	I06	I0T06	I06	I06	I05	I0T05	I05	I0T05	I05	I0C05	I0C05	VCC05	VCC05	VCC05	VCC05	VCC05	VCJTG	E	
F	I0R0	I0T0	I00	VCC	GND																						F
G	I0T0	I0R0	VCCN	VCC00	GCL0																						NC
H	I0T0	I0T0	VCCN	VCC00	GND																						NC
J	I0T0	I00	VCC	VCC00	GND																						H
K	I00	I00	I00	I0T0	VCCN																						J
L	I00	I00	GND	I0T0					GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	I0SSQ	I0SSQ	I0SSQ	I0SSQ	I0SSQ	I0SSQ	I0SSQ	I0SSQ	K
M	I00	I0R0	I00	GND	I0T0				GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	I0NC	I0NC	I0NC	I0NC	I0NC	I0NC	I0NC	I0NC	L
N	VCC	I00	I0T0	GND	I0R0				GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	SD	RXCN1	RXCPI	RXCN2	RXCPI	RXCN2	RXCPI	RXCN2	M
P	I01	I01	I01	I0T1	I0T1				GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	I0CQ	I0CQ	I0CQ	I0CQ	I0CQ	I0CQ	I0CQ	I0CQ	N
R	I01	I01	I0T1	VCC01	GND				GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	INPT	I0SSQ	I0SSQ	INP	INN	INN	INN	INN	P
T	I0R1	I0R1	I0T1	I0T1	I0T1				GND	GND	GND	GND	GND	GND	GND	GND	GND	GND	I0NT	I0SSQ	CMSER						
U	I01	I01	I0T1	GND	GND														NC	VCCQ	OUTN						
V	I01	I01	I0R1	I0T1	GND														REFCLKP	VCC04	I0T04	I0T04	I0T04	I0T04	I0T04	I0T04	U
W	I0T1	I01	I0T1	I01	GND														REFCLKN	VCC04	I0T04	I0T04	I0T04	I0T04	I0T04	I0T04	W
Y	I0T1	I01	VCEP	I0T1	I01														I0T04	VCEP	I0T04	I0T04	I0T04	I0T04	I0T04	I0T04	Y
AA	I01	I01	VCC01	I0R1	GND														I0T04	NC	I0T04	I0T04	I0T04	I0T04	I0T04	I0T04	AA
AB	CNFG1	CDONE	YCC01	I0T1	I02	GND	GND	I02	I0T2	I0T2	I0T3	GND	I0T3	GND	I03	I03	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	AB	
AC	CDATA	CFGB	I0T2	VCCFG	VCC02	VCC02	VCC02	NC	I02	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	AC	
AD	CRST	CCLK	I0T2	I0T2	I02	I02	I02	NC	VDDQ	VDDQ	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	AD	
AE	CCE	CNFG0	I0R2	I0T2	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	AB
AF	GND	I0T2	I02	I02	I0R2	I02	I0T2	I02	I0T2	I02	I0T2	I02	I0T2	I02	I0T2	I02	I0T2	I02	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	AP
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	

FIG. 2

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
A GND	I0R7	NC	NC	NC	I0R7	NC	NC	I0R6	I0R6	NC	NC	I0R6	I0R6	I0R6	I0R6	I0R6	I0R6	I0R6	I0R6	I0R6	I0T6	I0T6	I0T6	I0T6	GND	A		
B I0R7	I0R7	NC	I0R7	NC	NC	NC	NC	VDDQ	I0R6	NC	NC	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	B		
C I00	NC	NC	VDDQ	VCCN	VCCN	NC	GCTL3	I07	VDDQ	VDDQ	I0R6	NC	NC	I06	I05	GCTL2	GCTL1	I0T6	I0T6	I0T6	I0T6	TDO	TDO	TDO	TDO	TCK	C	
D I00	I0T0	I00	NC	VDDQ	VDDQ	GND	I0R7	I07	VCCN	VDDQ	VCC	NC	NC	I06	VCPUL	VDDQ	VDDQ	VCC	VDDQ	NC	I05	I05	TMS	TMS	TMS	TMS	TDI	D
E I0T0	I0T0	I00	GCTL0	GND	NC	GND	I0R6	NC	NC	I0T0P6	NC	I06	I0R5	I05	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	I0T6	E	
F I0R0	I0T0	I00	VCC	GND																	SD_B	RXCN1_B	RXCN1_B	RXCN2_B	RXCN2_B	RXCN2_B	F	
G I0T0	I0R0	VCCN	VCC00	GCL0																	VDDQ	VCCQ	VCCQ	VCCQ	VCCQ	VCCQ	G	
H I0T0	I0T0	VCCN	VCC00	GND																	REFCLKP	VSSQ	VSSQ	INP_B	INN_B	INN_B	H	
J I0T0	I00	VCC	VCC00	GND																	REFCLKN	VSSQ	VSSQ	VSSQ	VSSQ	VSSQ	CMSER_B	J
K I00	I00	I0T0	VCCN																		VSSQ	VSSQ	VSSQ	OUTN_B	OUTP_B	OUTP_B	K	
L I00	I00	I00	GND	I0T0																	VDDQ	VCCQ	VCCQ	VCCQ	VCCQ	VCCQ	L	
M I00	I0R0	I00	GND	I0T0																	SD	RXCN1	RXCN1	RXCN2	RXCN2	RXCN2	M	
N VCC	I00	I0T0	GND	I0R0																	VDDQ	VCCQ	VCCQ	VCCQ	VCCQ	VCCQ	N	
P I01	I01	I01	I0T11	I00																	INPT	VSSQ	VSSQ	INP	INN	INN	P	
R I01	I01	I0T1	VCC01	GND																	INNT	VSSQ	VSSQ	VSSQ	VSSQ	VSSQ	R	
T I0R1	I0R1	I0T1	I0T11	I0T11																	VSSQ	VSSQ	VSSQ	OUTN	OUTN	OUTN	T	
U I01	I01	I0T1	GND	GND																	VDDQ	VCCQ	VCCQ	VCCQ	VCCQ	VCCQ	U	
V I01	I01	I0R1	I0T11	GND																	REFCLKP	VCC04	I0T04	I0T04	I0T04	I0T04	V	
W I0T1	I0T1	I0T1	I01	GND																	REFCLKN	VCC04	I0T04	I0T04	I0T04	I0T04	NC	
Y I0T1	I01	VCEP	I0T11	I01																	I0T04	VCEP	I0T04	I0T04	I0T04	I0T04	NC	
AA I01	VCC01	I0R1	GND																		I0T04	VCCN	I0T04	I0T04	I0T04	I0T04	NC	
AB CNFG1	CDONE	VCC01	I0T1	I02	GND	GND	I02	I0T2	I0T2	I0T3	GND	GND	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	I0T3	AB	
AC CDATA	CFGB	I0T2	I0T2	VCCFG	VCC02	VCC02	VCC02	VCCN	I02	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	I0T2	
AD CRST																												AC
AE CCE																												AD
AF GND	I0T2	I0T2	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	I02	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	26	26	

FIG. 3